

ABSTRACT OF THE DISCLOSURE

Apparatus and methods according to embodiments of the present invention can control an inverter pulse width modulation (PWM) frequency of a liquid crystal display (LCD) in a portable computer or the like. Noise caused by a system environment can be detected and one of a plurality of LCD frame frequencies can be selected responsive to the system environment. Interference between a PWM frequency of an inverter can be reduced or prevented by identifying a desired PWM frequency of the inverter adapted to control a brightness of the LCD based on the selected LCD frame frequency or the like, and driving the LCD using the same.